

Fundamentals of Computer Programming and IT
(CS-101, Dec.2005)

Time: 3 Hours

Max. Marks: 60

Note: Question No. 1 is compulsory. Attempt five questions from section A and B, taking at least two questions from each section.

Section-A

1. (a) What is a text processing package?
 (b) What is the configuration of a PC?
 (c) What is a data structure?
 (d) How elements in an array are stored in memory?
 (e) C D is a random or a sequential storage device.
 (f) What is polymorphism at compile time?
 (g) What are the tools to surf a net?
 (h) What is an algorithm?
 (i) What is the difference between syntax and semantics of a language?
 (j) What is the type conversion? (2 X 10)

Section-B (8 marks each)

2. What is the structure of a computer? Explain with the help of a block diagram.
3. (a) What are the various functions of an operating system, explain with the help of a windows O.S.
 (b) What is internet explorer? Explain. (4, 4)
4. (a) How does mail merge works- explain.
 (b) How a table is created in Word? (4, 4)
5. (a) What are the various output devices of a computer.
 (b) How many bites will be there in a 20 GB hard disk. (4, 4)

Section-C (8 marks each)

6. Explain the following.
 (a) Variable (b) Identifies (c) Keyboard (d) Symbolic constant
7. Using operator overloading, write a programme to subtract and multiply two matrices.
8. (a) How an error is handled in file in C++.
 (b) Write a programme to count non-vowels in a file of test. (4, 4)
9. (a) What are the various steps in the dendoprint of a C++ programme.
 (b) What are the various applications of information technology? (4, 4)